

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of manufacturing a fuel cell including a first current collecting layer, a first reaction layer, an electrolyte ~~membrane, film~~, a second reaction layer, and a second current collecting layer, the method comprising:

forming the first reaction layer by ~~repeatedly applying a reaction layer forming material on the first current collecting layer at predetermined intervals~~ ~~discharging a plurality of droplets to the first current collecting layer from an inkjet type-discharging device that has a plurality of nozzles, each of the plurality of droplets including a reaction-layer-forming material, a first droplet and a second droplet of the plurality of droplets being discharged sequentially, the first droplet of the plurality of droplets being disposed on a first part of the first collecting layer, the second droplet of the plurality of droplets being disposed on a second part of the first collecting layer, the first part and second part of the first current collecting layer not overlapping each other.~~

2. (Currently Amended) A method of manufacturing a fuel cell, comprising:

~~on a first substrate, forming a first gas passages to supply first reaction gas; passage on a first substrate;~~

forming a first current collecting layer ~~to collect electrons generated by a reaction of the first reaction gas supplied through over the first substrate having a plurality of the first gas passages;~~

forming a first reaction layer ~~on the first current collecting layer by discharging a plurality of droplets to the first current collecting layer from an inkjet type-discharging device that has a plurality of nozzles, each of the plurality of droplets including a reaction-layer-forming material, a first droplet and a second droplet of the plurality of droplets being~~

discharged sequentially, the first droplet of the plurality of droplets disposed on a first part of the first collecting layer, the second droplet of the plurality of droplets being disposed on a second part of the first collecting layer, the first part and the second part of the first current collecting layer not overlapping each other; to cause the first reaction gas supplied through the first gas passages to react with a catalyst;

forming an electrolyte membrane; film on the first reaction layer;
on a second substrate, forming second gas passages to supply second reaction
gas;

forming a second current collecting layer to collect electrons which are subjected to a reaction with the second reaction gas supplied through the second gas passages;
and

forming a second reaction layer to cause the second reaction gas supplied through the second gas passages to react with a catalyst, on the electrolyte film;

forming a second current collecting layer on the second reaction layer; and
forming a second substrate on the second reaction layer, the second substrate
having a plurality of second gas passages.

at least one of forming the first reaction layer and forming the second reaction layer forming the first reaction layer or the second reaction layer by repeatedly applying a reaction layer forming material on the first current collecting layer or the second current collecting layer at predetermined intervals.

3-8. (Canceled)

9. (New) The method of manufacturing the fuel cell according to claim 1, an amount of the reaction-layer-forming material in the first droplet of the plurality of droplets and an amount of the reaction-layer-forming material in the second droplet of the plurality of droplets being different.

10. (New) The method of manufacturing the fuel cell according to claim 1, the forming the first reaction layer including evaporating the first and second droplets of the plurality of droplets after the first and second droplets of the plurality of droplets being disposed on the first part and the second part of the first current collecting layer.

11. (New) The method of manufacturing the fuel cell according to claim 1, the forming the first reaction layer including evaporating the first and second droplets of the plurality of droplets at not more than 50 degree centigrade after the first and second droplets of the plurality of droplets being disposed on the first part and the second part of the first current collecting layer.

12. (New) The method of manufacturing the fuel cell according to claim 1, the forming the first reaction layer including:

evaporating the first and second droplets of the plurality of droplets after the first and second droplets of the plurality of droplets being disposed on the first part and the second part of the first current collecting layer,

discharging a third droplet of the plurality of droplets between the first part and the second part of the first current collecting layer after the evaporating the first and second droplets of the plurality of droplets, and

evaporating the third droplet of the plurality of droplets after the discharging the third droplet of the plurality of droplets.

13. (New) The method of manufacturing the fuel cell according to claim 1, an amount of each of the plurality of droplets being not more than 10 pico liter.

14. (New) The method of manufacturing the fuel cell according to claim 1, the predetermined interval being in a range from 0.1 to 1 milli-meter.

15. (New) The method of manufacturing the fuel cell according to claim 1, the reaction-layer-forming material including a metal particle.

16. (New) The method of manufacturing the fuel cell according to claim 2, the forming the first reaction layer including:

evaporating the first and second droplets of the plurality of droplets after the first and second droplets of the plurality of droplets being disposed on the first part and the second part of the first current collecting layer,

discharging a third droplet of the plurality of droplets between the first part and the second part of the first current collecting layer after the evaporating the first and second droplets of the plurality of droplets, and

evaporating the third droplet of the plurality of droplets after the discharging the third droplet of the plurality of droplets.

17. (New) A method of manufacturing a fuel cell, comprising:

forming a first gas passage on a first substrate;

forming a first current collecting layer over the first substrate having a plurality of first gas passages;

forming a first reaction layer on the first current collecting layer by discharging a plurality of first droplets to the first current collecting layer from an inkjet type-discharging device, the plurality of first droplets being disposed on a plurality of first parts of the first current collecting layer that are not overlapping with each other;

evaporating the plurality of first droplets on the first current collecting layer;

discharging a plurality of second droplets to the second current collecting layer from the inkjet type-discharging device, the plurality of second droplets being disposed on a plurality of second parts of the first current collecting layer that are not overlapping with each other;

evaporating the plurality of second droplets on the first current collecting layer to form a first reaction layer;

forming an electrolyte film on the first reaction layer;
forming a second reaction layer on the electrolyte film;
forming a second current collecting layer on the second reaction layer; and
forming a second substrate on the second reaction layer, the second substrate having a plurality of second gas passages.